

From: Glode, Michelle (PHMSA)
Sent: Monday, June 08, 2009 8:58 AM
To: PHMSA PHH31
Subject: FW: DOT SP 11536

DEPT OF TRANSPORTATION
DOCS

Importance: High

JUN 08 PM 1:58

11536M
Modification

-----Original Message-----

From: Vivas, Pablo (PHMSA)
Sent: Friday, June 05, 2009 9:54 AM
To: Glode, Michelle (PHMSA)
Subject: FW: DOT SP 11536
Importance: High

PHMSA-2009-0218

Michelle, I think this request is for some PHH.

Pablo A. Vivas
PHMSA, Office of Pipeline Safety
Information Technology Project Manager
Office: E23-458
Phone: 202-366-6043
Email: pablo.vivas@dot.gov

-----Original Message-----

From: Hill, Christie L [mailto:Christie.L.Hill@boeing.com]
Sent: Thursday, June 04, 2009 6:09 PM
To: PHMSA Pipeline Safety
Subject: DOT SP 11536

Please review attached documents and reply at your earliest convenience.

<<DOT-SP 11536 Letter.doc>>
Diagram.jpg>>

<<DOT

Thank You,
Christie Hill, GLS
Packaging Engineer/Dangerous Goods
Asset Management/Shipping
The Boeing Company
Phone: (310) 416-6756
Cell: (310) 256-0945
Fax: (310) 416-3130
Christie.L.Hill@boeing.com

Associate Administrator for Hazardous Materials Safety
Research and Special Programs Administration
U.S. Department of Transportation

4 June 2009

Attn: DHM-31

On behalf of The Boeing Company I would like to request a modification to DOT-SP 11536 in accordance with Title 49, Code of Federal Regulations 107.121. The need date for the modification to DOT-SP 11536 is September 2009. The shipment of the first spacecraft containing Lithium Batteries, contained in equipment is schedule to shipment from California to the Cape in Florida is September 1, 2009.

This modification is necessary due to addition of Lithium Ion Batteries installed on the spacecraft that have not been a part of previous spacecrafts. The Li-ion batteries will replace the current nickel hydrogen batteries. I would like to add Lithium Batteries, contained in equipment, UN3091, Hazard Division 9, Packing Group II to the DOT-SP 11536, paragraph 6 Hazardous Materials Table.

I need relief from Title 49, Code of Federal Regulations 173.185, Packaging Instructions. During shipment the batteries will be electrically disconnected by means of an isolator which separates the main power terminals from any inadvertent charge or discharge paths.

The lithium-ion batteries will be shipped installed as a part of the completed space vehicle. All battery connections have been validated during testing and will have been exposed to vibration, thermal and vacuum testing which simulates the ambient of pressure from launch through operation in hard vacuum and repressurization following the test. See attached illustration of battery diagram.

All of the safety features, as stated in the original application as well as supplemental applications are incorporated into the design and operation of the existing container(s) to be used.

I hereby certify that all of the descriptions, technical information, and safety assessments in the original application and supplements including this application are complete and accurate.

As of this date, Boeing has completed over ninety shipments in accordance with DOT-SP 11536 and has experienced no accidents or adverse incidents.

If there is anything, I can do to help assist with processing of the modification to DOT-SP 11536, please contact me.

Thank you for your help.

Christie L. Hill, Packaging Engineer
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Electrical Isolation During Shipment

During shipment the battery will be electrically isolated which separates the main power terminals from the battery paths. See expanded view below:

